

**Abstract**

Method for sequencing a nucleic acid molecule in a thermocycling reaction which initially comprises a nucleic acid molecule, a first primer, a second primer, a reaction buffer, a first thermostable DNA polymerase, (optionally) a thermostable pyrophosphatase, deoxynucleotides or derivatives thereof and a dideoxynucleotide or a derivative thereof and which is characterized in that the thermocycling reaction additionally contains a second thermostable DNA polymerase which, in comparison to the said first thermostable DNA polymerase, has a reduced ability to incorporate dideoxynucleotides as well as the use of the said method.

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